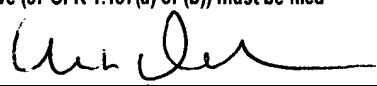


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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | <b>ATTORNEY'S DOCKET NUMBER</b><br>UPN0022-100                       |
|  |  | <b>U.S. APPLICATION NO.</b> (If known, see 37 CFR 1.5)<br>10/560,653 |
| <b>INTERNATIONAL APPLICATION NO.</b><br>PCT/US2004/019028  | <b>INTERNATIONAL FILING DATE</b><br>14 June 2004 | <b>PRIORITY DATE CLAIMED</b><br>13 June 2003                         |
| <b>TITLE OF INVENTION</b> VACCINES, IMMUNOTHERAPEUTICS AND METHODS FOR USING THE SAME  |  |  |
| <b>APPLICANT(S) FOR DO/EO/US</b> David B. Weiner, Karuppiah Muthumani, Michele Kutzler, Andrew K. Choo, Michael A. Chattergoon   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |  |
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (executed by all inventors)</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |  |
| <b>Items 11 to 20 below concern document(s) or information included:</b>   |  |  |
| <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input checked="" type="checkbox"/> Executed Power of attorney documents by all inventors.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Communication</li> </ol>   |  |  |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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|  |              |  |         |   |              |
|--|--------------|--|---------|---|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)  |              | INTERNATIONAL APPLICATION NO.<br>PCT/US2004/017696                               |         | ATTORNEY'S DOCKET NUMBER<br>UPN0011-100   |              |
| The following fees are submitted:  |              |  |         | CALCULATIONS  | PTO USE ONLY |
| 21. <input type="checkbox"/> Basic national .....\$300   |              |  |         | \$  |              |
| 22. <input type="checkbox"/> Examination Fee<br>If international preliminary examination report prepared by USPTO and all claims satisfy provisions of<br>PCT Article 33(1)-(4) .....\$100<br>All other situations .....\$200  |              |  |         | \$  |              |
| 23. <input type="checkbox"/> Search fee<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an<br>International Searching Authority .....\$100<br>International Search Report prepared and provided in the Office .....\$400<br>All other situations .....\$500  |              |  |         | \$  |              |
| <b>TOTAL OF 21, 22 and 23 =</b>  |              |  |         | \$  |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence<br>listing or computer program listing filed in an electronic medium). The fee is \$250 for each<br>additional 50 sheets of paper or fraction thereof.   |              |  |         |   |              |
| Total Sheets   | Extra sheets | Number of each additional 50 or fraction<br>thereof (round up to a whole number) | RATE    |   |              |
| - 100 =  | 0/50 =       | 0  | x \$250 | \$  |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest<br>claimed priority date (37 CFR 1.492(e)).  |              |  |         | \$ 130.00   |              |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA   | RATE    | \$  |              |
| Total claims   | - 20 =       |  | x \$50  | \$  |              |
| Independent claims   | - 3 =        |  | x \$200 | \$  |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |  | + \$360 | \$0   |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |  |         | \$  |              |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |  |         | \$65.00   |              |
| <b>SUBTOTAL =</b>  |              |  |         | \$65.00   |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest<br>claimed priority date (37 CFR 1.492(f)).   |              |  |         | +   | \$           |
| <b>TOTAL NATIONAL FEE =</b>  |              |  |         | \$65.00   |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied<br>by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |  |         | +   | \$           |
| <b>TOTAL FEES ENCLOSED =</b>   |              |  |         | \$65.00   |              |
| 11/27/2006 MKAYPAGH 00000017 501275 10560653<br>01 FC:2617 65.00 DA  |              |  |         | Amount to be refunded:  | \$           |
|  |              |  |         | Amount to be charged:   | \$65.00      |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-1275</u> in the amount of \$ <u>65.00</u> to cover the above fees.<br>A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit<br>Account No. <u>50-1275</u> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not<br>be included on this form. Provide credit card information and authorization on PTO-2038.<br><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed<br>and granted to restore the International Application to pending status. |              |  |         |   |              |
| SEND ALL CORRESPONDENCE TO:<br>Cozen O'Connor, P.C.<br>1900 Market Street<br>Philadelphia, PA 19103  |              |  |         | <br>SIGNATURE<br>Mark DeLuca (Registration Number 33,229)<br>NAME |              |

**DOCKET NO.: UPN0022-100**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants: David B. Weiner et al.**

**Serial No.: 10/560,653**

**Group Art Unit: Not Yet Determined**

**Filed: Herewith**

**Examiner: Not Yet Determined**

**Title: VACCINES, IMMUNOTHERAPEUTICS AND METHODS FOR USING THE  
SAME**

**VIA EXPRESS MAIL LABEL NO. EV 882774275 US  
DATE OF DEPOSIT: November 20, 2006**

**Mail Stop PCT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**COMMUNICATION**

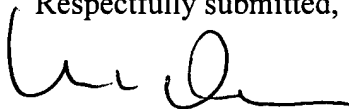
Dear Sir:

To date Applicants have not received a Notification of Missing Requirements in connection with the above-identified application.

Enclosed please find fully executed Declaration and Power of Attorney documents for entry into the file wrapper.

The Commissioner is authorized to charge Deposit Account No. 50-1275 for any fees associated with this filing.

Respectfully submitted,



Mark DeLuca  
Registration No. 33,229

Date: November 20, 2006

COZEN O'CONNOR

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Philadelphia, PA 19103-3508

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